

Rahul Jangir S

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[Github](#) | [Codeforces](#) | [Leetcode](#) | [Upwork](#)

EDUCATION

REVA University

B. Tech in Computer Science & Engineering, AI & ML

- **Cumulative GPA: 8.8 (8 Semesters)**

Bengaluru

Graduation Date: 2024

EXPERIENCE

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- **Red Hat**, Bangalore, Data scientist apprenticeship, (18-June-2024) - present
Building a Gen AI assistant (TSSC) for automating SSC risk assessments, integrating CVE's and SBOM's for improvised risk profiling and security insights, empowering rapid, informed decision-making and reduced the workload of security personnel by approximately. 120 hours per month.
 - **Data Scraping (UpWork)**
Successfully executed 4 freelance project by scraping and organizing company information into a hierarchical location structure, leading to additional client assignments due to the high quality and precision of work delivered.
 - **SWITCHOFF**, Bangalore, AI Research Intern, (1-Oct-2023) - (31-Dec-2023)
Engineered an AI-powered hotel search engine with improved user interaction, integrating a FastAPI application and MongoDB for data management. Utilized Selenium to scrape travel reviews, creating a ChatGPT-driven chatbot that delivers personalized responses through semantic analysis.
 - **BOSCH**, Bangalore, Software Developer Intern, (9-June-2023)-(4-Aug-2023)
Developed a sophisticated automation tool using Python and Selenium, boosting data extraction efficiency from a project management portal. Streamlined the transformation of extracted data into well-organized release note PDFs, enhancing processing speed and the precision of project documentation.

PROJECTS

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- **Secure User Management System with FastAPI, MongoDB, and JWT Authentication**
Develop a robust user management system leveraging FastAPI for building RESTful APIs, MongoDB for data storage, and JWT (JSON Web Token) authentication for secure user authentication. This project encompasses functionalities such as user registration, login, updating user details, and deleting users. By employing cryptographic hashing for password storage and token-based authentication, data integrity and confidentiality are ensured, providing a reliable and secure environment for managing user information.

- **Node.js-Express-API-JWT-Auth-Data-Filtering-Ethereum-Wallet-Integration-with-Swagger**

This project implements a secure REST API in Node.js, integrating JWT authentication for user login. It utilizes bcrypt for password hashing, ensuring data security. MongoDB is integrated for data storage, with schema validation for robustness. Public API data retrieval and filtering capabilities enhance data acquisition efficiency, while web3.js integration facilitates seamless retrieval of Ethereum account balances, leveraging Infura API for blockchain interaction. The API is documented using Swagger, facilitating clear communication of endpoints and functionalities.

- **ALPaCA Fine-Tuning for Review-Based QA**

ReviewNet harnesses ALPaCA's adaptive language model to refine question-answering capabilities specifically for review datasets. By fine-tuning ALPaCA on a corpus of 10k+ reviews, ReviewNet delivers precise responses to user inquiries, employing advanced preprocessing, hyperparameter optimization, and rigorous evaluation protocols. This project integrates cutting-edge techniques to facilitate seamless extraction of actionable insights from extensive review data with heightened accuracy and efficiency.

TECHNICAL SKILLS

- **Programming Languages:** C++, C, SQL, Python, Java, Javascript, HTML
- **Problem-solving:** Exhibited unparalleled problem-solving expertise, deeply rooted in a comprehensive understanding of Data Structures and Algorithms (DSA), as proven by resolving more than 300 problems on competitive platforms.
- **Frameworks and Processes:** Node.js, Express.js, jsonwebtoken (JWT), MongoDB, Swagger-UI-Express, bcrypt, Web3.js, FastApi, Wit.ai, Huggingface, TensorFlow, PyTorch, Keras, Numpy, Pandas, Matplotlib; Proficient in Excel, Word, PowerPoint, Google Sheets, Google Docs.
- **Efficient ChatGPT and Google searching:** Proficient in using advanced search techniques and operators to find accurate and relevant information quickly.
- **Presentations and Communication:** Able to effectively communicate complex ideas through engaging presentations, both in-person and virtually.
- **Languages:** English, Hindi, Kannada.

ACHEIVEMENTS

- 1st place in Kimo Tech Competition
- Actively participate in Codeforces contests, having solved over 207 problems using C++.
- Attained a peak rank of 1205 in Codeforces.
- Demonstrated strong problem-solving abilities on LeetCode by successfully solving over 100 problems in C++.
- Achieved Gold Level (5-star) in C++ on HackerRank, 4-star in C, and 3-star in Python and Problem Solving.
- 1st Place in School Level Coding Contest, REVA University.
- 3rd Place in School Level Hackathon, REVA University.
- Special Mention in “Ideate : Breaking The Barriers” as part of Samwad’22, Devfolio.

OTHER SKILLS AND INTERESTS

Skills: Illustrator, Photoshop.

Interests: Chess, Calisthenics, Meditation, Cycling, Drawing.